



SH20 - SH1 MANUKAU EXTENSION

LINKING SH1 AND SH20

Significant milestones reached over spring

The team are beginning their final construction season after a number of significant milestones were reached during the spring period.

The installation of the final beams on the SH1-SH20 flyover was an important milestone completed in November. The deck has been constructed and the structure is now substantially complete.

During the same week in November, the team also excavated beneath the Southern Motorway for the SH20-SH1 Underpass. This involved

digging out and removing over 8,000 cubic metres of earth. The next step is to continue construction of the southbound on-ramp from SH20 to SH1.

At the western end of the project, the Roscommon Road over Puhinui Stream Bridge has been completed which enables the connection between Roscommon Road and Cavendish Drive to be built.

Construction is well underway in Plunket Avenue on the new roundabout as well as the foundations for the Plunket Avenue Bridge which will take local traffic over the new motorway. A major culvert has also been completed west of this area for a tributary of the Puhinui Stream. The lining of this culvert was especially adapted to ensure adequate fish passage is maintained.

One of the more prominent features on the project recently has been the appearance of street lights which have been installed along the new motorway. From Great South Road to Roscommon Road, lighting poles can be seen being installed on either side of the newly constructed road.

The team have planted over 75,000 plants on the project including flaxes, pohutukawa, cabbage trees and totara. Along the new motorway itself, over 40,000 square metres of asphalt has been placed.

Services were relocated at Wiri Station Road and the old local route removed, clearing the path for the new motorway beneath a replacement bridge in this area.

These milestones put the project in a good position for the final summer construction season and upcoming completion in August 2010.



Installing the beams on the Roscommon Road bridge over the Puhinui Stream.

Project delivery by



The SH20-SH1 Manukau Extension project team wishes you a Merry Christmas and safe travel over the holiday season.

Construction team look forward to a big push this summer

The SH20-1 Manukau Extension project will be making significant progress over the coming summer on this vital new addition to the infrastructure of Manukau.

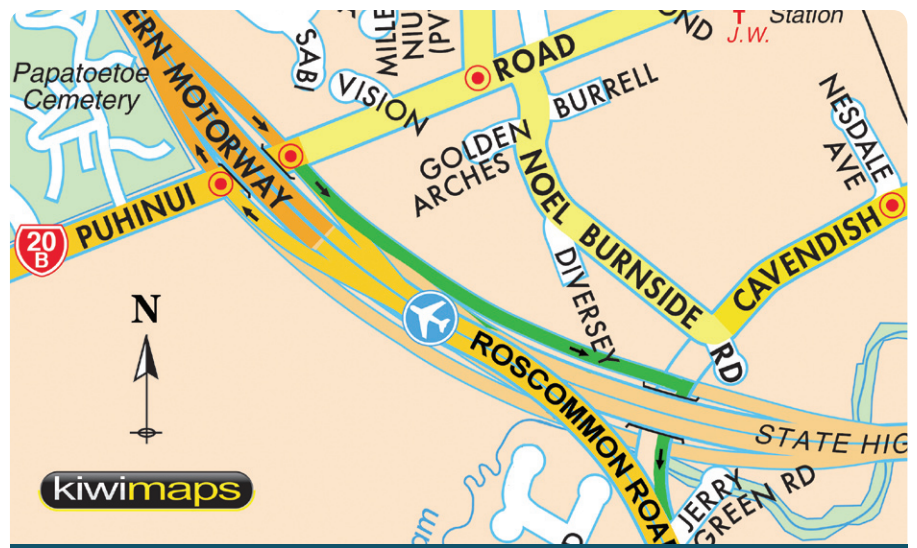
The project team will be carrying out work around the Southern Motorway this summer as construction of the SH1-SH20 Interchange continues. The work includes constructing the pavement, installing gantry signs and constructing median barriers. Noise walls are also being constructed.

This work will require both the north and southbound lanes of SH1 to be temporarily realigned in a series of carefully co-ordinated traffic shifts. The traffic shifts will also allow the current northbound lanes on SH1 to be lowered beneath the existing Redoubt Road Bridge. The clearance height beneath this bridge is low and the work will ensure that a higher clearance is provided.

At the western end of the project, the Puhinui Road to Cavendish Drive connecting road will be completed. This new road will carry traffic travelling south from Puhinui Road to Roscommon Road. It will replace the existing southbound on-ramp. Once this road is built and opened to traffic, work will then start on completing the connection between the southbound lanes on the existing SH20 and the new SH20 lanes.

An extensive communications plan is being developed to communicate traffic changes to the public. This will include advertising, signs, message boards, internet and notification to local media.

Construction of a local road bridge over SH20 will continue at Plunket Avenue. The foundation piles will be constructed followed by the piers and then the beams and decks will be installed.



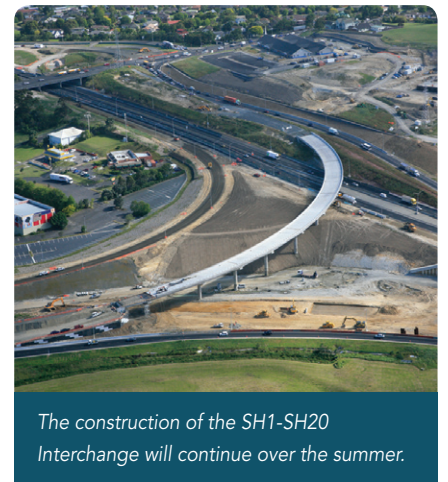
The Puhinui Road to Cavendish Drive connection road (shown in green) will be open soon for traffic travelling south from Puhinui Road.

Finally the barriers will be installed to complete the seven span bridge that will carry local traffic over the motorway.

One of the most significant milestones on the project is constructing the SH20 bridge over the North Island Main Trunk Railway. Once the two remaining piers are constructed, the final 36 beams will be installed over the railway. The bridge beams weigh over 50 tonnes each and will be installed on one single night.

Constructing the road pavement is now a major focus on the project and asphalt will be placed in various areas across the project. This work will then be closely followed by the installation of barriers and signs. Some 240,000 native plants are also being planted progressively.

The project team has a busy summer ahead and some work is planned to take place over the Christmas period when access to parts of the project is less congested by other activities.



The construction of the SH1-SH20 Interchange will continue over the summer.

For more information about the SH20 Manukau Extension, please call:

0800 SH20-2-1 (0800 742 021)

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For more information

NZTA Project Manager, Simon Paton

T 09 368 2000

www.nzta.govt.nz/manukauextension

Community Contact Line: 0800 SH20-2-1 (0800 742 021)

E info@leightonworks.co.nz

New Zealand Government